

PHENIX WEEKLY PLANNING



6/6/2013
Don Lynch

*Note: No PHENIX
planning meeting
this week due to
end of run party.*

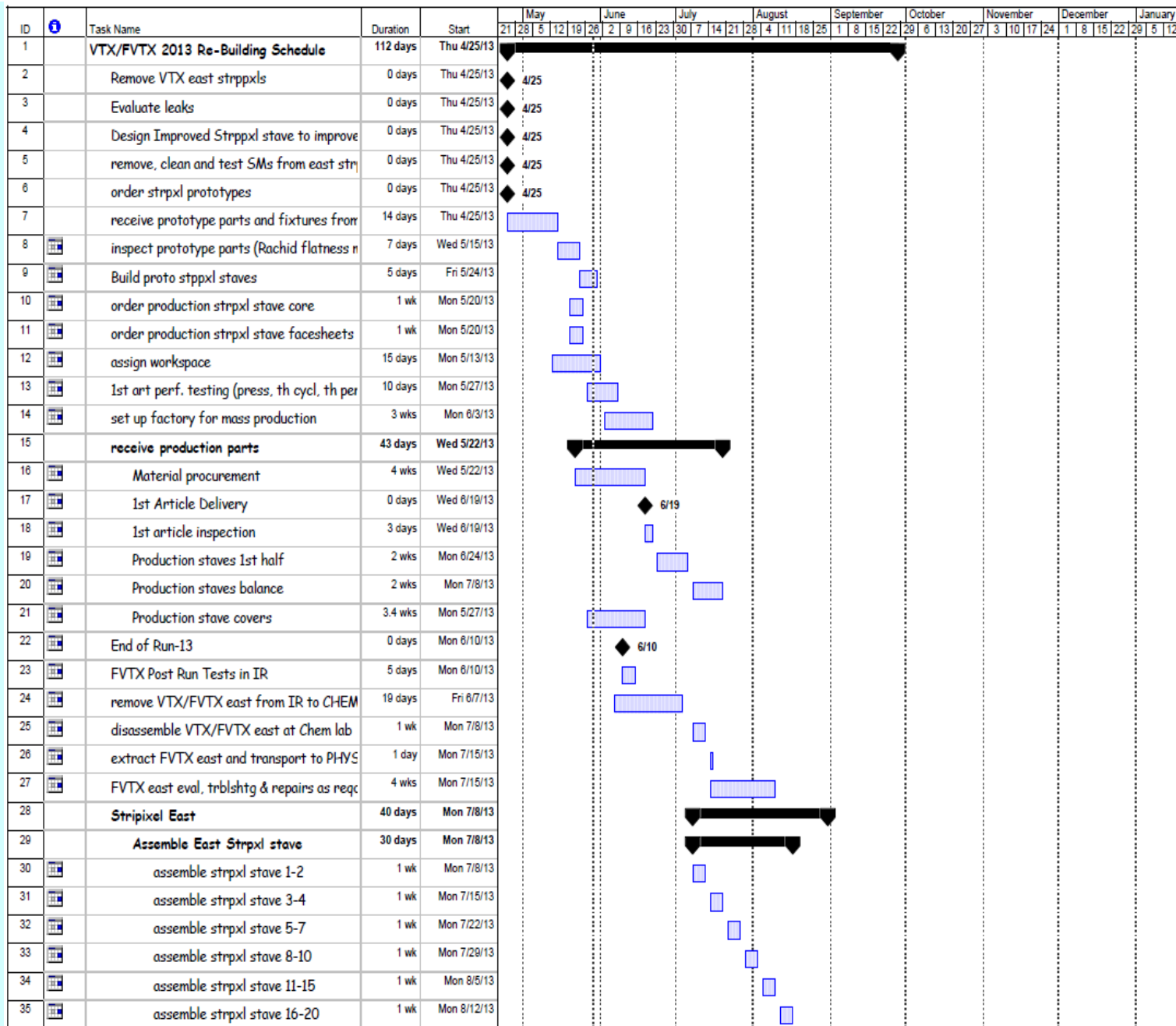
*Feel free to
discuss safety and
planning issues
over a burger and
some salads at the
party.*

This Week

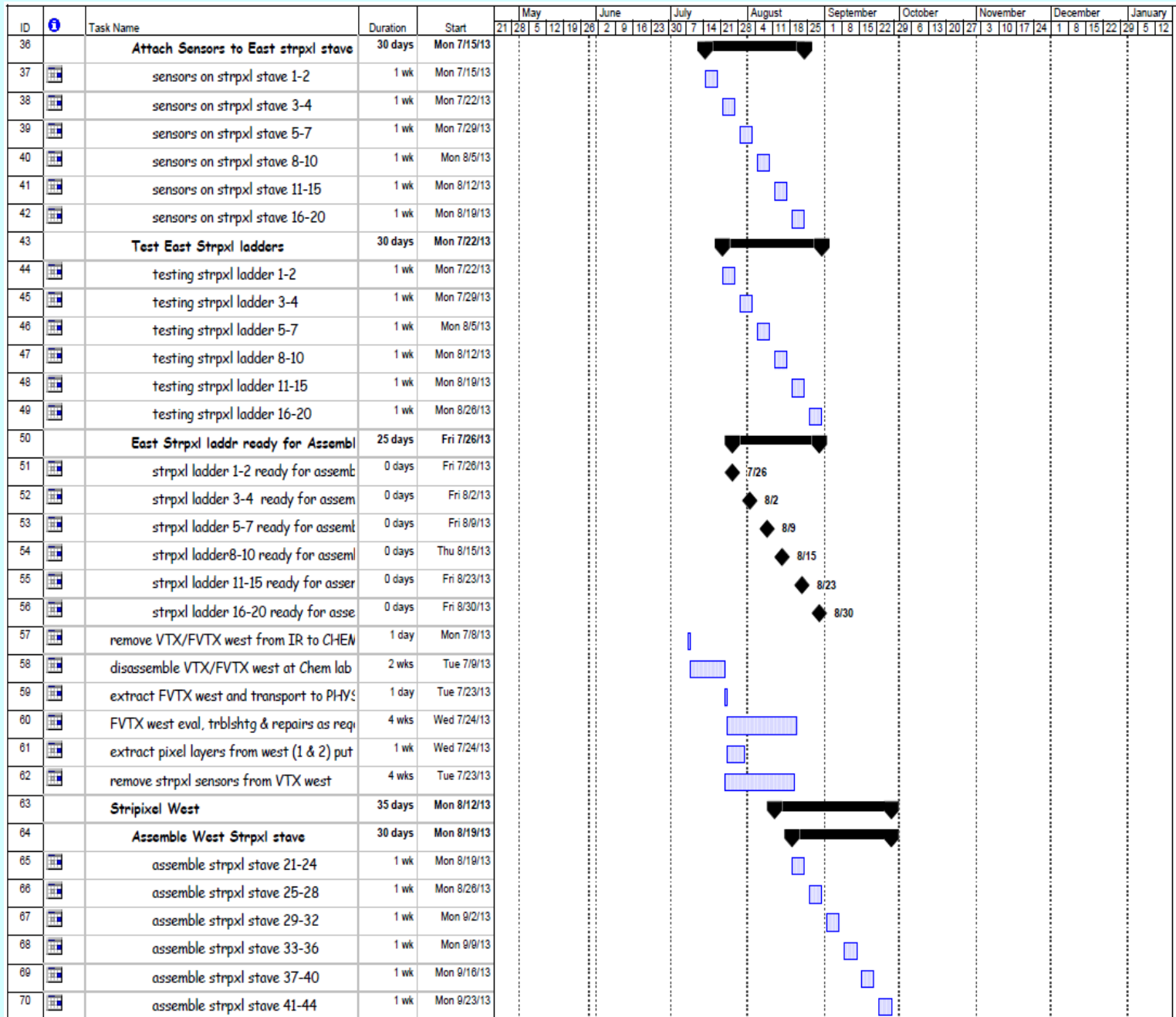
- Last week of run 13
- No Scheduled Maintenance this week:
- mRPC Test Lab (Formerly RPC Factory): begin operations
- VTX strip pixel stave re-design prototype evaluation
- Continue sPHENIX support
 - HCal prototype
 - EMCal prototype design continuing
- MPC-Ex design for run 14
- Future IR evolution modeling
- End of Run 13 Barbeque

Next Week

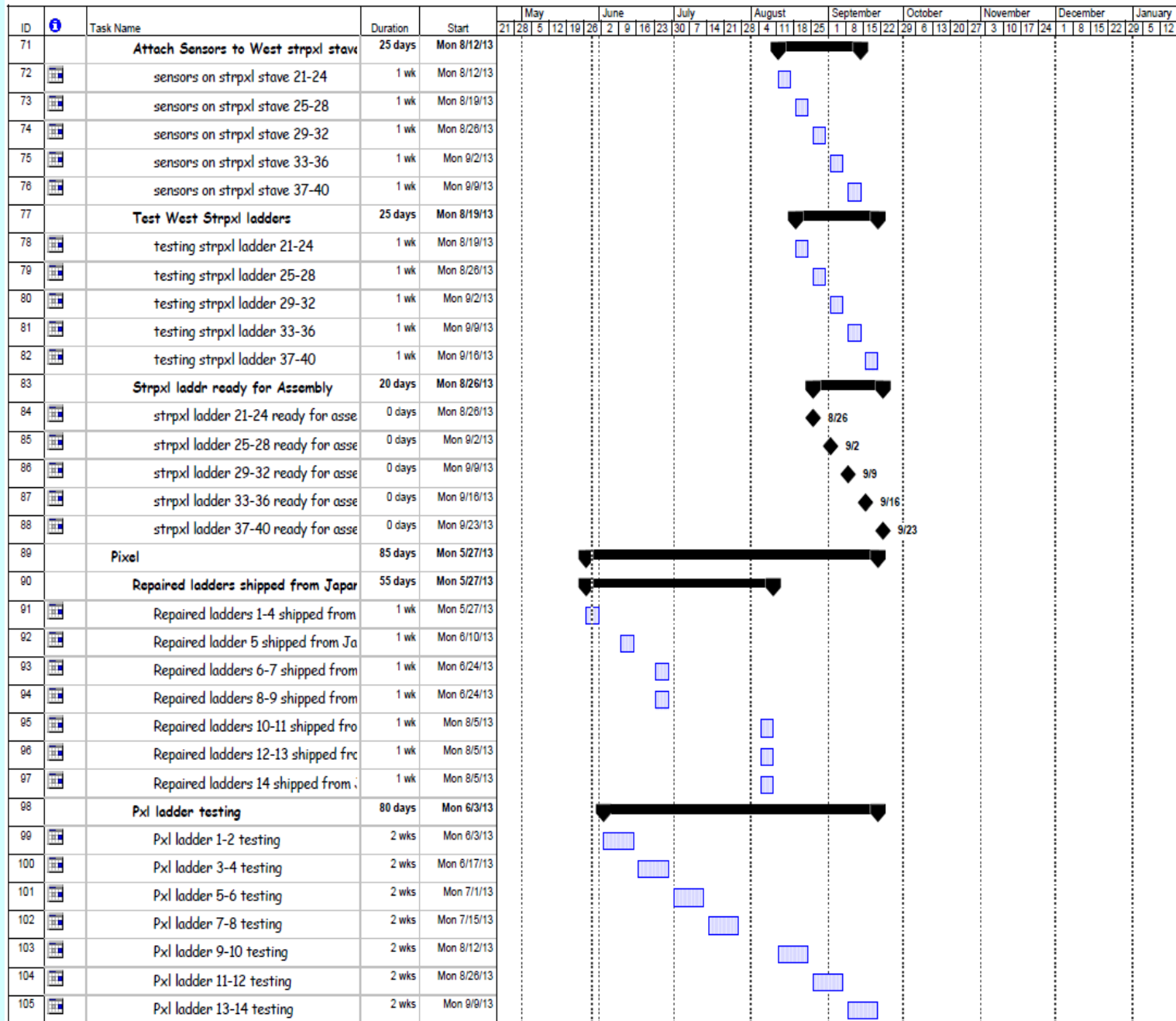
- Run 13 Ends
- FVTX Post run tests
- Flammable Gas Purge
- PASS Interlock tests
- Roll out shield wall
- Shield wall disassembly
- Prep to move EC
- VTX strip pixel stave re-design prototype performance testing
- Continue sPHENIX support
 - HCal prototype
 - EMCal prototype design continuing
- MPC-Ex design for run 14
- Future IR evolution modeling



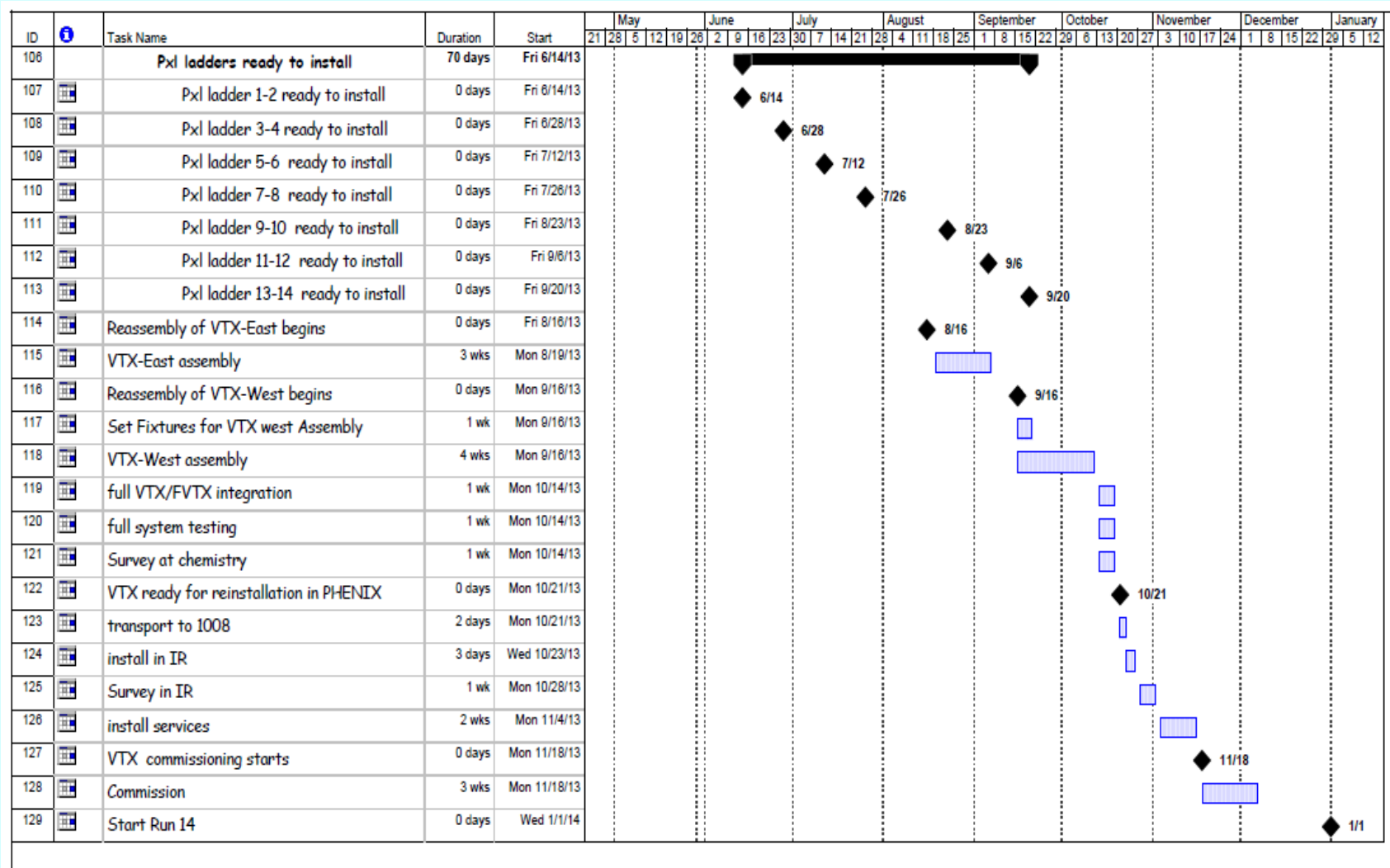
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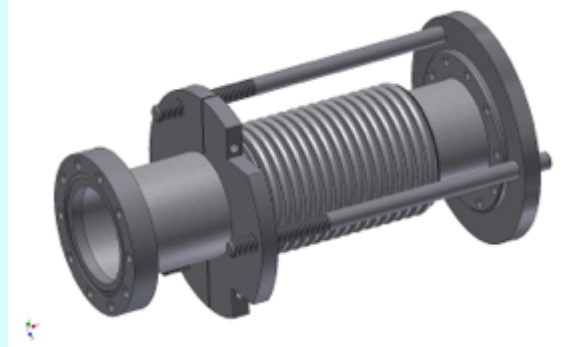


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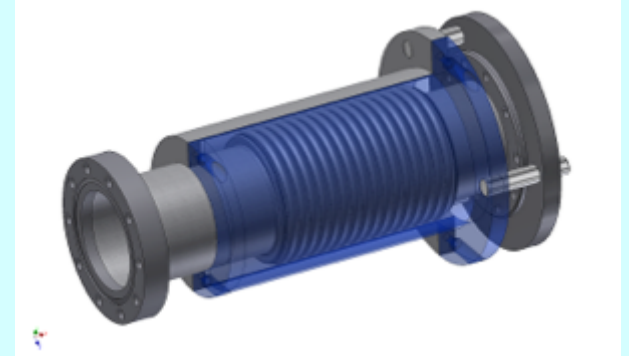


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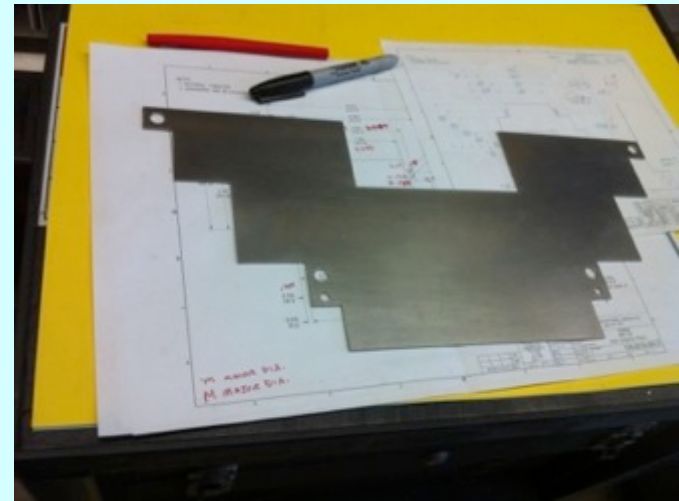




Existing vacuum bellows anti-squirm
In MPC S Cavity

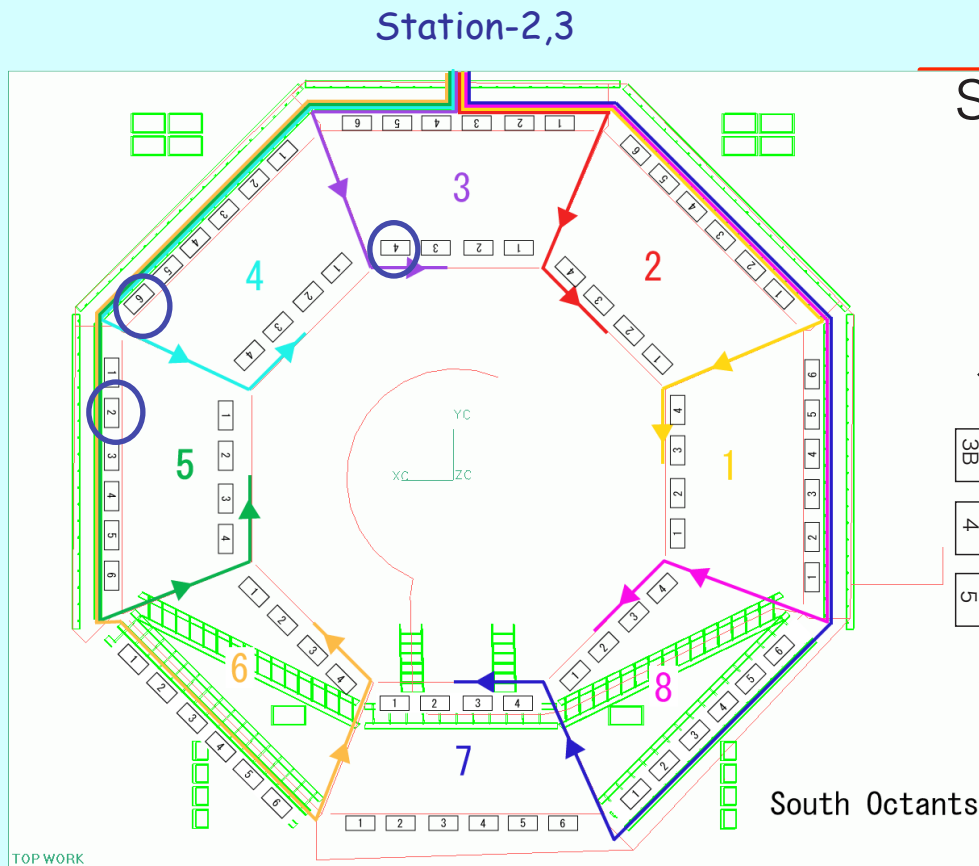


Proposed vacuum bellows anti-squirm in MPC S Cavity to
accommodate MPC-Ex

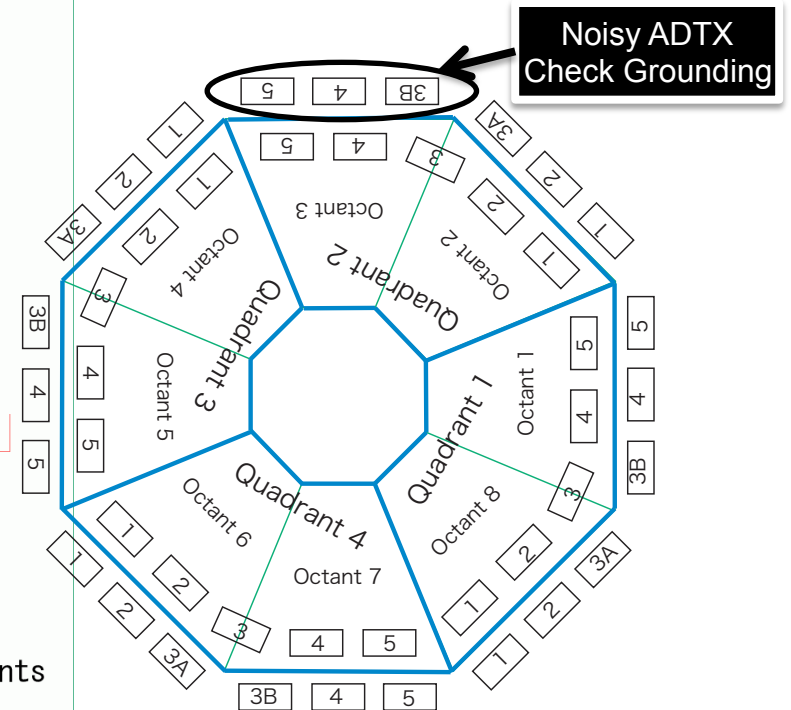


1st Tungsten Plate received: Inspection OK

MuTr South Arm Areas to be accessed



South Station-1 Chassis



Major Projects This Summer:

- VTX repairs/upgrades/general maintenance (Mike L.)
- DC East Window Replacement (Kenny J.)
- MPC-Ex Initial (partial) Installation (Jim L.)
- mRPC Tests in mRPC Test Lab (formerly RPC Factory) (Frank T.)
- sPHENIX Prototypes assembly & tests (All)
- MuTr troubleshooting and Repairs (Chris P.)
- Window Washer Winch upgrade (Jim L.)

Other Mechanical (TBD)

Other Electrical Projects

- HVAC Controls Upgrade (Frank T.)
- Complete Window Washer Controls Upgrade (Frank T.)

Other Electronics Projects

- Additional upgrading of ADAM system to MODBUS (Sal P.)
- Electronics research in support of sPHENIX and RATCAP (Sal P.)
- Lecroy HV communications upgrade (Sal P.)

Other Gas System Projects (TBD)

- RPC Gas Recirc. Upgrade (John T.)
- Drawing and Config. Control Improvements (SULI Student)

Other Infrastructure Projects (TBD)

Work Permits for 2013 Shutdown

- Start of Shutdown
- VTX/FVTX repair & Upgrade
- MPC-Ex initial/prototype installation
- DC East Window replacement
- sPHENIX prototype assembly and test setup
- MuTr troubleshooting and repairs
- Window Washer Winch replacement/upgrade
- Other TBD
- End of Shutdown/Run 14 Prep

2013 Shutdown Schedule

TECHNICAL SUPPORT NOTES

Prep for 2013 shutdown	2/11-6/11/2013
Design, Fabricate MPC-Ex	
Define tasks and goals	
Analysis and design of fixtures, tools and procedures	
Fabricate/procure tools and fixtures	
Tests, mockups, prototypes	
Receive, fabricate, modify, finish installables	
Review and approval of parts, tools, fixtures and procedures	
Assembly and QA tests	
VTX Strippixel redesign	In-progress
VTX Strippixel 1 st article stave assembly	5/3/2013
VTX Strippixel 1 st article qualification/performance tests	5/31/2013
VTX strippixel stave production	5/20-8/30/2013
VTX Strippixel sensor reclamation	4/1-8/30/2013
VTX Strippixel ladder assembly	6/1-9/27/2013
Pixel Ladder repairs	4/1-9/27/2013
End of Run Party	6/6/2013
Run 12 Ends	6/11/2013
Shutdown Standard Tasks	6/11-7/19/2013
• Open wall, disassemble wall, Remove MuID Collars,	
• Move EC to AH, etc.	
VTX/FVTX Post run tests	6/11-6/14/2013
Disassemble VTX/FVTX services	6/17-7/3/2013
July 4 th Holiday	7/4-7/2013
Remove VTX/FVTX and transport to Chemistry Lab	7/8/2013
Remove Lampshade MMS, East Vertical	7/8-12/2013
Assemble, Test and Install MPC-Ex (Partial, location TBD)	7/22-10/1/2013

6/6/2013

TECHNICAL SUPPORT WORK

MuTR Troubleshooting, maintenance and repairs	7/22-9/27/2013
Summer Sunday (8/11) Prep and teardown	7/29-8/6/2013
Summer Sunday (RHIC)	8/4/2013
DC East Window Upgrade and Related Repairs	8/19-9/27/2013
sPHENIX HCal Prototype Assembly/test	8/19-10/15/2013
Labor Day Holiday	9/2/2013
Repair upgrade, reassemble VTX/FVTX (pixels and strip-pixels)	7/11-10/13/2013
Test, survey (at Chemistry and IR) and re-install VTX/FVTX	10/16-10/27/2013
Other detector maintenance as required	As required
Infrastructure maintenance as required	As required
TBD prototype tasks	As required
Pre-run commissioning and prep for run 14	11/1-12/31/2012
Veterans Day, Lab Holiday	11/11/2013
Prep for EC roll in	11/1-11/9/2013
Roll in EC	11/10-11/12/2013
Prep IR for run	11/1-11/30/2013
Thanksgiving Holidays	11/28-29/2013
Pink/Blue/White sheets	12/14-12/31/2013
Christmas Holiday	12/24-25/2013
New Year's Day Holiday	1/1/2014
Start run 14	1/2/2014

Where To Find PHENIX Engineering Info



End of Run 13 Coming next week..



Enjoy the End of run party!

(Today) Thursday, June 6, at 12:30 PM



http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_SSint-page.htm

6/6/2013

